

# IONBOOST™ V8

LITHIUM JUMP STARTER & BATTERY BANK / ARRANCADOR DE LITIO Y BANCO DE BATERÍA /  
BLOC D'ALIMENTATION POUR DÉMARRAGE DE SECOURS AU LITHIUM ET BANC DE BATTERIE



User's Manual / Manual de Usuario / Guide d'Utilisation





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# iOnBoost™ V8 by Wagan Tech®

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Thank you for purchasing the iOnBoost™ V8 by Wagan Tech®. With normal care and proper treatment, it will provide years of reliable service.

ENGLISH

## IMPORTANT INFORMATION

- Before using this unit, read and understand all instructions included in this manual also those published by your vehicle's battery manufacturer and the manual of any other device intended to be used with this unit. Failure to follow all listed instructions may result in electric shock, fire, and/or serious personal injury.
- Make sure the iOnBoost is fully charged before first use.

## GENERAL WARNINGS

- This appliance is NOT intended for use by persons with reduced physical, sensory, or mental capabilities.
- Children or persons lacking in experience and knowledge also should NOT operate this appliance unless he/she has been given supervision or instruction concerning the proper usage and warnings of the appliance by a person responsible for their safety.
- For proper and safe operation of any accessory outlet, do not place anything in it except the plug of the accessory to be used.
- Use only the charging adapters and jumpstarting clamps provided in this package. Unauthorized parts may damage the unit.
- Wear complete eye and clothing protection when jumpstarting a vehicle. Do not touch eyes while working with battery.
- Remove metal, personal jewelry, such as rings, bracelets, necklaces, and watches while working with a vehicle battery. These items can produce a short-circuit that may cause severe burns.
- Do not operate this unit in or around water. Exposure to excessive moisture will damage the unit.
- Dropping, hitting, or otherwise applying excessive amounts of force to the iOnBoost may damage the unit. This could result in loss of operation, electrical fire, or other undesired outcome.

## User's Manual—Read before using this equipment

### FEATURES

#### Jump Starter

- 500 peak Amps auto jump starter—ideal for cars, vans, SUVs, trucks, and more
- Powerful, rechargeable, 47.4 Wh Lithium-ion Polymer battery
- Heavy duty booster clamps

#### USB Power Source

- A USB power port with 2.1 Amp output to power and recharge most USB devices such as tablets/e-readers, mobile phones, and more.

#### Other Features

- DC port with laptop connector kit
- LED flashlight: solid, SOS (morse code), and flashing
- Battery status indicators
- Built-in safety features

### SPECIFICATIONS

Battery type	Lithium-ion Polymer
Battery capacity (watt-hours)	47.4 Wh
Peak amps	500 A
Cranking amps	300 A
Jumper cables	10 AWG, 8-inch
DC Accessory Outlet	12V, 16V, 19V
USB power port	5 V, 2.1 A
Flashlight	LED with 3 lighting modes
Operating temperatures	32°F–140°F
Storage temperatures	32°F–185°F
Input	15V 1A
Recharging time (AC)	2-4 hours
Recharging time (DC—with engine running)	4-5 hours

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Actual contents may differ slightly from that pictured.



- 1. Flashlight
- 2. DC output voltage indicator
- 3. DC power port
- 4. Battery status indicator
- 5. Multifunction "MODE" button
- 6. USB power port
- 7. Charging Jack
- 8. Master power switch

- 9. Jumper terminals
- 10. Carrying case
- 11. Laptop connection kit
- 12. AC charging adapter
- 13. DC charging adapter
- 14. USB charging adapter with mini USB, micro USB, Apple® 30-pin and lightning
- 15. Jumper cables

## User's Manual—Read before using this equipment

### CHARGING THE IONBOOST

**This product may arrive partially charged from the manufacturer. It is recommended to fully charge the unit immediately after purchase and before using for the first time. Prior to charging the unit, read and understand all instructions in this manual.**

In order to prolong the life of the iOnBoost, be sure to fully recharge the unit after each use, or every 3 months even if the iOnBoost has not been used.

#### WARNING

- Only use the charging adapters supplied with this unit!
- Do not charge the unit on a boat, boat ramp, or dock since the electrical cords and outlets used for charging could cause severe electrical shock if they get wet.

#### AC Charging

1. Insert AC charging adapter into charging jack of the unit.
2. Plug the other end of AC charging adapter into a wall socket. The charging LED indicator will be illuminated while the unit is charging.
3. Fully charge the unit (average 2-4 hours continuously between uses).
4. When charging is complete, unplug the AC charging adapter from the wall socket first, then from the charging jack on the unit.
5. The battery status can be checked by tapping on the "MODE" button once.

#### DC Charging in Your Vehicle

**Engine must be running while charging the iOnBoost.**

1. Turn the vehicle engine on.
2. Insert the DC charging adapter into the charging jack of the unit. The charging LED indicator will be illuminated while the unit is charging.
3. Plug the other end of DC charging adapter into vehicle's cigarette lighter (DC) socket.
4. Fully charge the unit (around 4-5 hours continuous). Engine must running during entire charge.
5. When charging is completed, unplug the DC charging adapter from the vehicle first, then from the charging jack on the unit.
6. The battery status can be checked by tapping on the "MODE" button once.

### JUMPSTARTER

#### WARNING

**Failure to follow these instructions may cause damage or explosion.**

- Jumpstart connection is ALWAYS live! Never allow the clamps to touch together or contact the same piece of metal.
- Do not attempt to jumpstart your vehicle when iOnBoost is below 20% charge (observe battery status indicator lights on the unit).

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- Only use with negative grounded systems.
- Do not reverse jumper cables.
- Use safety glasses to protect eyes while jumpstarting a battery.
- If the engine fails to start after two attempts, discontinue jumpstart procedure. Excessive engine cranking can damage the vehicle's starter motor. Look for other problems that may need to be corrected or call for professional service.
- Disconnect the clamps from the vehicle battery immediately after engine starts. Return the cable clamps to their storage holsters when not in use.
- Vehicles equipped with on-board computers may be affected if the engine battery is jumpstarted. Read your vehicle owner's manual before attempting to start the vehicle to determine if external starting assistance can be used.
- If the iOnBoost is overloaded while in the jumpstart mode, quickly disconnect the clamps and let the unit rest for ten minutes then plug it into a power source for a few minutes to reset the unit. All functions on the iOnBoost will not operate until this is done.

### Procedure

1. Turn off the vehicle ignition and all accessories (radios, lights, air conditioners), and disconnect electronic devices.
2. Set the emergency brake and put vehicles with automatic transmission in park position.
3. Determine the polarity of the vehicle's battery terminals. The positive (POS, P, +) battery terminal usually is red and larger in diameter than the negative (NEG, N, -) terminal. If you are unsure, first refer to the vehicle owner's manual.
4. Remove clamps from the holders. Never allow clamps (positive & negative terminals) to touch together or contact the same piece of metal to prevent short-circuits and arcing.
5. Insert the blue plug of the jumper cables into the iOnBoost's jumper terminal.
6. Securely connect the positive (+) red clamp to the positive (POS, P, +) terminal of the vehicle battery or the remote positive (+) terminal if equipped.
7. Securely connect the negative (-) black clamp to an unpainted metal surface on the engine of the dead car. Find an unpainted bolt or bracket that is as far from the dead battery as possible. This will provide a solid ground while further reducing the possibility of igniting any hydrogen gas.
8. Place unit on a secure surface away from moving parts.
9. Start vehicle engine. Stop if the vehicle does not start after 3 seconds of engine cranking. Wait 3 to 4 minutes, then try again. If engine does not start after second attempt, discontinue and consult a professional.
10. After engine starts, disconnect the negative (black) clamp first, then the positive (red) clamp, and lastly, the blue jumper cable plug.



## User's Manual—Read before using this equipment

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### DC POWER PORT

For proper and safe operation of the DC power accessory outlet, do not place anything into it except the plug of the accessory to be used.

Overloading the port may result in “tripping” a self-resetting circuit breaker. Removing the overload automatically restores power to the DC Power Port.

1. Insert the DC cable jack into the DC output port.
2. Select the appropriate connection head and attach to the other end of the cable.
3. Set master switch to the “I” position.
4. Using the MODE button, press (not hold) to select the voltage your device requires.
5. After use, turn off the master switch (“O” position).
6. Recharge the iOnBoost as soon as possible.

### USING THE USB SOCKET

1. Connect the USB device to the iOnBoost with either a user-supplied cable or the included 4-in-1 USB adapter.
2. Slide the master switch to the “I” position.
3. When your mobile device is fully charged, disconnect your device from the iOnBoost and slide the master switch back to “O”.
4. If the charge in the iOnBoost is low, the USB port will shut off to prevent damage to the iOnBoost. Recharge the iOnBoost as soon as possible.

### LED FLASHLIGHT

The light will automatically shut off before the iOnBoost runs out of power.

1. Set master switch to the “I” position.
2. Hold down the “MODE” button until the indicator lights turn on (~3 seconds).
3. Press once to switch lighting modes: steady – SOS – flashing – off.
4. After use, turn off the master switch (“O” position). Recharge battery as soon as possible.

### CARE & MAINTENANCE

This unit may be stored in any position. Make sure the clamps are secure inside the booster cable storage covers and store at room temperature. If the iOnBoost is not used for a prolonged period of time, recharge every 3 months.

### PROPER DISPOSAL

- This product has no consumer serviceable parts.
- Do not attempt to remove or replace the battery used in this device. When the battery has reached the end of its lifetime, please take the entire unit to a battery recycling facility.

## WAGAN Corp. Limited Warranty

The WAGAN Corp. warranty is limited to products sold only in the United States.

All Wagan Tech products must be registered within (30) days of purchase to activate its warranty. To register your product, please visit <http://tinyurl.com/waganwarranty>. Be sure to keep the original receipt as it will be required when returning a product under the warranty.

**Warranty Duration:** This product is warranted to the original purchaser for a period of one (1) year from the original purchase date, to be free of defects in material and workmanship. WAGAN Corporation disclaims any liability for consequential damages. In no event will WAGAN Corporation be responsible for any amount of damages beyond the amount paid for the product at retail.

**Warranty Performance:** During the above one (1) year warranty period, a product with a defect will be replaced with a comparable model when the product is returned to WAGAN Corporation with an original store receipt. The replacement product will be in warranty for the balance of the original one (1) year warranty period.

To return a defective item, please contact WAGAN Corporation at (800) 231-5806 to obtain a Returned Merchandise Authorization number (RMA#), and return instructions. Each item returned will require a separate RMA#. After you have received the RMA# and the return instructions from WAGAN Corporation, please follow the instructions and send the item with PREPAID SHIPPING, along with all of the required documentation, a complete explanation of the problem, your name, address and daytime phone number. WAGAN Corporation will, at its option, replace or repair the defective part.

A Returned Merchandise Authorization number (RMA#) is REQUIRED when sending in any defective item. WAGAN Corporation is not responsible for any item(s) returned without an official Returned Merchandise Authorization number. The item(s) must be returned with prepaid shipping. WAGAN Corporation is not responsible for any shipping charges incurred in returning the item(s) back to the company for repair or replacement. This warranty is void if the product has been damaged by accident, in shipment, unreasonable use, misuse, neglect, improper service, commercial use, repairs by unauthorized personnel or other causes not arising out of defects in materials or workmanship. This warranty does not extend to any units which have been used in violation of written instructions furnished.

**Warranty Disclaimers:** This warranty is in lieu of all warranties expressed or implied and no representative or person is authorized to assume any other liability in connection with the sale of our products. There shall be no claims for defects or failure of performance or product failure under any theory of tort, contract or commercial law including, but not limited to negligence, gross negligence, strict liability, breach of warranty and breach of contract.

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